

FORTHCOMING PUBLICATIONS (B)

December 2003, Vol 77, No. 6

Astrophysics, Atmospheric & Space Physics

Space-weather — causes, consequences and predictions

ASHOK K SINGH AND R P SINGH

Radiation excitation of CS molecules in atmosphere of a star

SURESH CHANDRA

Toroidal distributions in the polar wind plasma

IMAD A BARGHOUTHI, NAJI A QATANANI AND MAZEN S ABU ISSA

Whistlers observed at low latitude stations Bhopal and Jammu

SUNIL K SINGH, A K GWAL, LALMANI AND RAJOU KUMAR

Atomic & Molecular Physics

Electron momentum distribution and Compton profiles of tin

THOMAS VARGHESE, K M BALAKRISHNA AND K SIDDAPPA

Photoionization of potassium

H SHARMA, KIRAN KUMARI AND S K PANDEY

General Physics

Theoretical analysis of a right isosceles triangular microstrip antenna on ferrite substrate

VIJAY KUMAR TIWARI, V BHARDWAJ, J S SAINI AND D BHATNAGAR

Microwave dielectric relaxation and molecular dynamics in ternary mixtures of poly (vinyl pyrrolidone) – poly (propylene glycol) – poly (ethylene glycol)s of varying molecular weights in non-polar solvent

R J SENGWA AND ABHILASHA

Dielectric relaxation study of intramolecular hydrogen bonded o-hydroxy acetophenone in non-polar solvents

K K GUPTA, M K SHARMA AND P J SINGH

Double-diffusive convection in compressible Walter's B' elastico-viscous fluid in hydromagnetics

R C SHARMA AND C B MEHTA

Optics & Spectroscopy

Average number of photons present in a single-mode squeezed vacuum state as function of the mean free path

A S DAOUD

[Cont'd. on next page]

Notes

Molecular interaction studies in the ternary mixture of 1-hexanol + acetonitrile + cyclohexane

D DEVADOSS, M THAIRIYARAJA AND L PALANIAPPAN

Dielectric relaxation in para-methyl acetophenone, pyridine and their binary mixtures in benzene solutions

K K GUPTA AND P J SINGH

Ultrasonic velocity studies in aqueous lithium salts

G RAJARAJAN, P REVATHY AND T K NAMBINARAYANAN

Viscous losses of non-polar solvent at microwave frequency 9.8 GHz

RAM NIHOR, S MISRA AND S K SAXENA